

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102319\
 Data File : VW013688.D
 Acq On : 24 Oct 2019 01:46
 Operator : SY/VA
 Sample : VW1023SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1023SBS02

Manual Integrations
 APPROVED

MMDadoda
 10/24/2019 1:25:43 PM

Quant Time: Oct 24 08:39:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	258131	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	360366	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	312207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	158792	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	107238	55.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.76%	
35) Dibromofluoromethane	7.88	113	104266	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
50) Toluene-d8	10.32	98	426134	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
62) 4-Bromofluorobenzene	12.62	95	145369	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	32283	23.739	ug/l	92
3) Chloromethane	2.21	50	31137	21.305	ug/l	97
4) Vinyl Chloride	2.37	62	46242	20.951	ug/l	100
5) Bromomethane	2.77	94	29481	20.309	ug/l	100
6) Chloroethane	2.92	64	26573	19.897	ug/l	97
7) Trichlorofluoromethane	3.26	101	25591	18.563	ug/l	100
8) Diethyl Ether	3.68	74	24087	21.626	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	48732	21.744	ug/l	99
10) Methyl Iodide	4.27	142	71683	19.628	ug/l	99
11) Tert butyl alcohol	5.18	59	18810	162.718	ug/l #	91
12) 1,1-Dichloroethene	4.04	96	45882	19.819	ug/l	98
13) Acrolein	3.90	56	15149	114.386	ug/l	96
14) Allyl chloride	4.67	41	70858	19.905	ug/l	99
15) Acrylonitrile	5.36	53	64962	143.436	ug/l	98
16) Acetone	4.13	43	50175	122.206	ug/l	95
17) Carbon Disulfide	4.39	76	129528	19.482	ug/l	99
18) Methyl Acetate	4.67	43	36092	32.068	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	64019	23.044	ug/l	98
20) Methylene Chloride	4.92	84	53120	20.736	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	49169	19.733	ug/l	96
22) Diisopropyl ether	6.31	45	132768	20.447	ug/l	96
23) Vinyl Acetate	6.25	43	425098	112.827	ug/l	99
24) 1,1-Dichloroethane	6.21	63	82607	20.087	ug/l	100
25) 2-Butanone	7.17	43	82847	140.351	ug/l	93
26) 2,2-Dichloropropane	7.16	77	46759	19.663	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	52516	19.843	ug/l	98
28) Bromochloromethane	7.51	49	22534	16.308	ug/l #	98
29) Tetrahydrofuran	7.52	42	55063	150.673	ug/l	100
30) Chloroform	7.67	83	80518	19.806	ug/l	97
31) Cyclohexane	7.95	56	87873	20.418	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	65759	20.613	ug/l	97
36) 1,1-Dichloropropene	8.08	75	68329	20.360	ug/l	98
37) Ethyl Acetate	7.25	43	39037	30.386	ug/l	99
38) Carbon Tetrachloride	8.07	117	63485	21.006	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	90988	20.994	ug/l	98
40) Benzene	8.32	78	191556	20.168	ug/l	98
41) Methacrylonitrile	7.48	41	23394	29.201	ug/l	93
42) 1,2-Dichloroethane	8.40	62	54121	22.613	ug/l	99
43) Isopropyl Acetate	8.42	43	64559	26.253	ug/l	98
44) Trichloroethene	9.09	130	54471	20.021	ug/l	99
45) 1,2-Dichloropropane	9.37	63	45951	20.255	ug/l	95
46) Dibromomethane	9.46	93	25264	22.944	ug/l	98
47) Bromodichloromethane	9.65	83	58589	20.565	ug/l	94
48) Methyl methacrylate	9.43	41	31549	25.871	ug/l	97
49) 1,4-Dioxane	9.45	88	10414	640.040	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	173562	142.033	ug/l	100
52) Toluene	10.38	92	123180	20.106	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	60633	21.023	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	70745	19.881	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	37948	23.125	ug/l	95
56) Ethyl methacrylate	10.65	69	50770	24.728	ug/l	100
57) 1,3-Dichloropropane	10.93	76	64241	22.812	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	120221	127.230	ug/l	99
59) 2-Hexanone	10.97	43	122253	145.119	ug/l	100
60) Dibromochloromethane	11.13	129	42890	22.013	ug/l	99
61) 1,2-Dibromoethane	11.23	107	37423	24.105	ug/l	100
64) Tetrachloroethene	10.86	164	51484	21.583	ug/l	98
65) Chlorobenzene	11.66	112	126465	19.712	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	45363	20.260	ug/l	99
67) Ethyl Benzene	11.73	91	227287	19.647	ug/l	99
68) m/p-Xylenes	11.84	106	177555	39.726	ug/l	99
69) o-Xylene	12.16	106	81248	19.777	ug/l	98
70) Styrene	12.18	104	141761	20.084	ug/l	99
71) Bromoform	12.35	173	28027	23.853	ug/l #	99
73) Isopropylbenzene	12.46	105	233437	20.471	ug/l	99
74) N-amyl acetate	12.27	43	55884	25.334	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	44698	24.839	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	30230m	26.509	ug/l	
77) Bromobenzene	12.74	156	56601	20.778	ug/l	98
78) n-propylbenzene	12.80	91	268014	20.306	ug/l	100
79) 2-Chlorotoluene	12.89	91	148558	20.029	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	192135	19.959	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	13908	23.049	ug/l	92
82) 4-Chlorotoluene	12.99	91	154761	19.874	ug/l	99
83) tert-Butylbenzene	13.21	119	172869	20.231	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	190093	20.019	ug/l	99
85) sec-Butylbenzene	13.38	105	239378	20.487	ug/l	100
86) p-Isopropyltoluene	13.50	119	220988	20.303	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	105085	19.910	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	106859	20.379	ug/l	99
89) n-Butylbenzene	13.82	91	193029	19.648	ug/l	99
90) Hexachloroethane	14.09	117	37838	20.000	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	94346	20.616	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7682	28.231	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	67023	20.124	ug/l	98
94) Hexachlorobutadiene	15.24	225	47219	21.001	ug/l	97
95) Naphthalene	15.36	128	124223	23.789	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	59640	20.782	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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